

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS  
PATENT OF THE UNITED STATES IS:

1. A molding composition comprising:
  - i) at least 60% by weight of transparent polyamide; and
  - ii) an effective amount of one or more optical brighteners, and where the amount of the optical brightener has been judged in such a way that
    - a) the b value (DIN 53 236) is at most 7, and
    - b) at a wavelength of between 370 and 430 nm, at least in a lower part of the range, the transmittance (ASTM D1003) is smaller than 1%, measured at a layer thickness of 4 mm.
2. A method of inhibiting the passage of UV light through an optical product comprising adding one or more optical brighteners to a molding composition which is comprised of at least 60% by weight of transparent polyamide.
3. An optical product comprised of a molding composition comprising:
  - i) at least 60% by weight of transparent polyamide; and
  - ii) an effective amount of one or more optical brighteners, and where the amount of the optical brightener has been judged in such a way that the b value (DIN 53 236) is at most 7.
4. The optical product of claim 3, wherein at a wavelength of between 370 and 430 nm, at least in a lower part of the range, the transmittance (ASTM D1003) of the molding is at most 10% at the layer thickness given.
5. The optical product of claims 3 or 4, wherein said optical product is selected from the group of optical lenses for spectacles, optical lenses for cameras, optical lenses for binoculars, optical lenses for magnifying glasses, optical lenses for microscopes, optical lenses for electro-optical measuring devices, optical lenses for electro-optical testing devices, optical filters, lamp lenses, headlamp lenses, projector lenses for computer, video-linked projector lenses, viewing windows, inspection glasses, protective screens, protective visors, sun screen roofs, housing glazing and automotive glazing.

6. The optical product, of claim 3 wherein said optical product has a multilayer structure.

7. An optical product made from a transparent polyamide, comprising a coating which comprises one or more optical brighteners has been applied to said product.

8. The optical product of claim 7, wherein said coating is a lacquer.

9. The molding composition of claim 1, wherein said transparent polyamide is prepared from at least one monomer selected from the group consisting of branched or linear aliphatic diamines having from 6 to 14 carbon atoms, cycloaliphatic diamines having from 6 to 22 carbon atoms, araliphatic diamines having from 8 to 22 carbon atoms, branched or linear aliphatic dicarboxylic acids having from 6 to 22 carbon atoms, cycloaliphatic dicarboxylic acids having from 6 to 22 carbon atoms, araliphatic dicarboxylic acids having from 8 to 22 carbon atoms, aromatic dicarboxylic acids having from 8 to 22 carbon atoms, lactams having from 6 to 12 carbon atoms and the corresponding  $\omega$ -aminocarboxylic acids.

10. The molding composition of claim 1, wherein said transparent polyamide is at least one polyamide selected from the group consisting of

- the polyamide prepared from terephthalic acid and of the isomer mixture composed of 2,2,4- and 2,4,4-trimethylhexamethylenediamine,
- the polyamide prepared from isophthalic acid and of 1,6-hexamethylenediamine,
- the copolyamide prepared from a mixture composed of terephthalic acid/isophthalic acid and of 1,6-hexamethylenediamine,
- the copolyamide prepared from isophthalic acid, of 3,3'-dimethyl-4,4'-diaminodicyclohexylmethane, and of laurolactam or caprolactam,
- the (co)polyamide prepared from 1,12-dodecanedioic acid or 1,10-decanedioic acid, of 3,3'-dimethyl-4,4'-diaminodicyclohexylmethane, and, where appropriate, of laurolactam or caprolactam,
- the copolyamide prepared from isophthalic acid, 4,4'-diaminodicyclohexylmethane, and of laurolactam or caprolactam,

- the polyamide prepared from 1,12-dodecanedioic acid and of 4,4'-diaminodicyclohexylmethane,
- the copolyamide prepared from a terephthalic acid/isophthalic acid mixture, of 3,3'-dimethyl-4,4'-diaminodicyclohexylmethane and of laurolactam.

11. The molding composition of claim 1, wherein said optical brightener has a structure selected from the group consisting of stilbenes substituted with benzoxazole, stilbenes substituted with bisbenzoxazoles, thiophenes substituted with benzoxazole, thiophenes substituted with bisbenzoxazoles, biphenyls and coumarins.

12. The molding composition of claim 1, wherein said optical brightener is present in an amount of from 0.00001 to 10% by weight.

13. The molding composition of claim 1, further comprising a UV absorber.

14. The molding composition of claim 13, wherein said UV absorber is selected from the group consisting of benzotriazoles, triazines, benzophenones, oxalanilides, cyanacrylates and benzoxazinones.

15. The molding composition of claim 1, further comprising a UV stabilizer.

16. The molding composition of claim 15 wherein said UV stabilizer is selected from the group consisting of phosphorus-containing antioxidants, sterically hindered phenols, compounds which contain sulfur in a low oxidation state and HALS stabilizers.

17. The molding composition of claim 1, wherein said composition further comprises polymeric flow promoters, polymeric flame retardants, polymeric impact modifiers, fillers, reinforcing materials pigments, plasticizers, antistatic agents, mold-release agents flow agents, flame retardants and a mixture thereof.

18. The optical product of claim 4, wherein said molding has a transmittance of at most 6% at the given thickness.

19. The optical product of claim 4, wherein said molding has a transmittance of at most 5% at the given thickness.

20. The optical product of claim 4, wherein said molding has a transmittance of at most 4% at the given thickness.